

Defined Systems for Epithelial Cell Culture and Use Thereof

Abstract

5 The present invention provides cell culture media formulations which
support the *in vitro* cultivation of animal epithelial cells. The media comprise at
least one fibroblast growth factor (FGF) and at least one agent that induces
increased intracellular cAMP levels, and optionally comprise ascorbic acid. The
present invention also provides methods of cultivating animal epithelial cells *in*
10 *vitro* using these cell culture media formulations, kits comprising the media, cell
culture compositions comprising the culture media and an animal epithelial cell,
and compositions that may be used as replacements for organ or gland extracts in
animal cell culture media.